

Jiannan Zhao

List of Publications by Year in descending order

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33
papers

883
citations

623734

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477307

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33
times ranked

854
citing authors

#	ARTICLE	IF	CITATIONS
1	An arid-semiarid climate during the Noachian-Hesperian transition in the Huygens region, Mars: Evidence from morphological studies of valley networks. <i>Icarus</i> , 2022, 373, 114789.	2.5	3
2	Lunar Mare Fecunditatis: A Science-Rich Region and a Concept Mission for Long-Distance Exploration. <i>Remote Sensing</i> , 2022, 14, 1062.	4.0	4
3	Unique curvilinear ridges in the Qaidam Basin, NW China: Implications for martian fluvial ridges. <i>Geomorphology</i> , 2021, 372, 107472.	2.6	2
4	Unsupervised Machine Learning on Domes in the Lunar Gardner Region: Implications for Dome Classification and Local Magmatic Activities on the Moon. <i>Remote Sensing</i> , 2021, 13, 845.	4.0	7
5	Inverted channel belts and floodplain clays to the East of Tempe Terra, Mars: Implications for persistent fluvial activity on early Mars. <i>Earth and Planetary Science Letters</i> , 2021, 562, 116854.	4.4	1
6	China's Chang'e-5 landing site: Geology, stratigraphy, and provenance of materials. <i>Earth and Planetary Science Letters</i> , 2021, 561, 116855.	4.4	99
7	New Evidence to Support Zephyria Tholus as a Composite Volcano on Mars. <i>Remote Sensing</i> , 2021, 13, 3891.	4.0	0
8	Gullies. <i>Advances in Planetary Science</i> , 2021, , 275-291.	0.0	0
9	Lakes. <i>Advances in Planetary Science</i> , 2021, , 111-156.	0.0	0
10	Valleys. <i>Advances in Planetary Science</i> , 2021, , 249-273.	0.0	0
11	Geological Characteristics and Targets of High Scientific Interest in the Zhurong Landing Region on Mars. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094903.	4.0	37
12	Density Structure of the R ¹ / ₄ mker Region in the Northern Oceanus Procellarum: Implications for Lunar Volcanism and Landing Site Selection for the Chang'E-5 Mission. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE005978.	3.6	18
13	Diverse Polygonal Patterned Grounds in the Northern Eridania Basin, Mars: Possible Origins and Implications. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006647.	3.6	5
14	Yardangs on Earth and implications to Mars: A review. <i>Geomorphology</i> , 2020, 364, 107230.	2.6	13
15	Paleolakes in the Northwest Hellas Region, Mars: Implications for the Regional Geologic History and Paleoclimate. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006196.	3.6	13
16	A large long-lived central-vent volcano in the Gardner region: Implications for the volcanic history of the nearside of the Moon. <i>Earth and Planetary Science Letters</i> , 2020, 542, 116301.	4.4	6
17	Compositional variations along the route of Chang'e-3 Yutu rover revealed by the lunar penetrating radar. <i>Progress in Earth and Planetary Science</i> , 2020, 7, .	3.0	16
18	Density Structure of the Von K ¹ / ₂ rm ¹ / ₂ in Crater in the Northwestern South Pole-Aitken Basin: Initial Subsurface Interpretation of the Chang'e-4 Landing Site Region. <i>Sensors</i> , 2019, 19, 4445.	3.8	5

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19	Geology and Scientific Significance of the R ¹ / ₄ mker Region in Northern Oceanus Procellarum: China's Chang'E ⁵ Landing Region. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 1407-1430.	3.6	92
20	The Polygonal Surface Structures in the Dalangtan Playa, Qaidam Basin, NW China: Controlling Factors for Their Formation and Implications for Analogous Martian Landforms. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 1910-1933.	3.6	17
21	Geological Features and Evolution of Yardangs in the Qaidam Basin, Tibetan Plateau (NW China): A Terrestrial Analogue for Mars. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 2336-2364.	3.6	23
22	The 3D geological model around Chang'E ³ landing site based on lunar penetrating radar Channel 1 data. <i>Geophysical Research Letters</i> , 2017, 44, 6553-6561.	4.0	20
23	Ridge-like lava tube systems in southeast Tharsis, Mars. <i>Geomorphology</i> , 2017, 295, 831-839.	2.6	14
24	The Mons R ¹ / ₄ mker volcanic complex of the Moon: A candidate landing site for the Chang'E ⁵ mission. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 1419-1442.	3.6	52
25	A new terrestrial analogue site for Mars research: The Qaidam Basin, Tibetan Plateau (NW China). <i>Earth-Science Reviews</i> , 2017, 164, 84-101.	9.1	76
26	Subsurface structures at the Chang'E TM e-3 landing site: Interpretations from orbital and in-situ imagery data. <i>Journal of Earth Science (Wuhan, China)</i> , 2016, 27, 707-715.	3.2	14
27	A young multilayered terrane of the northern Mare Imbrium revealed by Chang'E TM E-3 mission. <i>Science</i> , 2015, 347, 1226-1229.	12.6	194
28	Geological features and evolution history of Sinus Iridum, the Moon. <i>Planetary and Space Science</i> , 2014, 101, 37-52.	1.7	22
29	Geologic characteristics of the Chang'E TM E-3 exploration region. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014, 57, 569-576.	5.1	50
30	Geological features and magmatic activities history of sinus Iridum, the moon. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2013, 43, 1370-1386.	0.4	5
31	Density and lithospheric thickness of the Marius Hills shield volcano on the Moon. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2013, 43, 1395-1402.	0.4	1
32	Ancient volcanism and its implication for thermal evolution of Mars. <i>Earth and Planetary Science Letters</i> , 2012, 323-324, 9-18.	4.4	61
33	Geological characteristics and model ages of Marius Hills on the Moon. <i>Journal of Earth Science (Wuhan, China)</i> , 2011, 22, 601-609.	3.2	13